

Table 1  
 Potable Water Demand Estimate  
 Walnut Valley Water District

Land Use	Acres	Quantity		Unit Factor [1]	Average	Max Day [2]	Peak Hour [2]
		Dwelling Units	Building Area				
Residential - Single-Family	2	12 DU	-	390 gpd/du	3 gpm	7 gpm	13 gpm
Residential - Multi-Family	20	261 DU	-	244 gpd/du	44 gpm	88 gpm	177 gpm
Commercial District	5	-	50,000 sf	406 gpd/ksf	14 gpm	28 gpm	56 gpm
Parks/Slopes	17	-	-	- [3]	<i>(to be served with non-potable water)</i>		
Streets	5	-	-	-	-	-	-
<b>Total</b>	<b>49</b>	<b>273 DU</b>	<b>50,000 sf</b>		<b>62 gpm</b>	<b>123 gpm</b>	<b>246 gpm</b>
					<b>88,611 gpd</b>	<b>177,223 gpd</b>	<b>-</b>

[1] Based on LA County flow factors - *Table 1 Loading For Each Class of Land Use*. - and assumes potable water demands equal 150% of LA County sewer flow factor for single-family homes, and 125% of LA County sewer flow factor for townhomes, Tuck Under, and non-residential.

[2] Based in Max Day demand equals 2.0 times average, and Peak Hour demand equals 2.0 times Max Day.

Table 2  
Wastewater Flow Estimate  
County of Los Angeles (or City of Walnut)

Land Use	Acres	Quantity		Unit Factor [1]	Ave Day	Peak Flow [2]
		Dwelling Units	Building Area			
Residential - Single-Family	2	12 DU	-	260 gpd/du	2 gpm	
Residential - Multi-Family	20	261 DU	-	195 gpd/du	35 gpm	
Commercial District	5	-	50,000 sf	325 gpd/ksf	11 gpm	
Parks/Slopes	17	-	-	-	-	
Streets	5	-	-	-	-	
<b>Total</b>	<b>49</b>	<b>273 DU</b>	<b>50,000 sf</b>		<b>49 gpm</b>	<b>146 gpm</b>
					<b>70,265 gpd</b>	<b>-</b>

[1] Based on LA County flow factors - Table 1 Loading For Each Class of Land Use.

[2] Based on peak flow for total Terraces at Walnut flows is 3.0 times average.

Table 3  
 Non-Potable Water Demand Estimate [1]  
 Walnut Valley Water District

Land Use	Acres	Quantity		Unit Factor [2]	Average	Max Day [3]	Peak Hour [3]
		Dwelling Units	Irrigation Area				
Residential - Single-Family	2	12 DU	-	-	<i>(to be served with potable water)</i>		
Residential - Multi-Family	20	261 DU	-	-	<i>(to be served with potable water)</i>		
Commercial District	5	-	-	-	<i>(to be served with potable water)</i>		
Parks/Slopes	17	-	17 Acres	4 AF/Ac-Yr	42 gpm	126 gpm	506 gpm
Streets	5	-	-	-	-	-	-
<b>Total</b>			<b>17 Acres</b>		<b>42 gpm</b>	<b>126 gpm</b>	<b>506 gpm</b>
					<b>60,710 gpd</b>	<b>121,421 gpd</b>	<b>-</b>

[1] Estimated irrigation demands that will be served by Walnut Valley Water District public non-potable (recycled) water system. Excludes private residential front and backyards, which is proposed to be served from with potable water.

[2] Irrigation water demand is based on typical ET rates for arid/valley regions of southern California.

[3] Landscape irrigation can vary widely throughout the year; based on maximum summer day of 3.0 times average, and peak within 6-hour irrigation window, or 4 times max day.